



>>Entry Name: Trihydro(tetrahydrofuran)boron, 10Cl

Synonym(s): Borane tetrahydrofuran. Tetrahydrofuran compd. with borane(1:1), 9Cl, 8Cl

CAS Registry Number: 14044-65-6

As Trifluoro(tetrahydrofuran)boron, JKG73-M with
X = H

Molecular Formula: C₄H₁₁BO

Molecular Weight: 85.941

Accurate Mass: 86.090295

Percentage Composition: C 55.90%; H 12.90%; B 12.58%; O 18.62%

Use/Importance: Hydroborating and reducing agent. Produced commercially

Physical Description: Used only in soln., unstable in pure state, moisture-sensitive

Hazard & Toxicity: Flammable

Aldrich: 43687-9

Fluka: 15594

References:

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Fratiello, T.P.O. *et al.*, *J.A.C.S.*, 1968, **90**, 1194, (*nmr*)

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Nöth, H. *et al.*, *Inorg. Chem.*, 1981, **20**, 1062

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Stanfield, C.F. *et al.*, *J.O.C.*, 1981, **46**, 4799

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Paroli, R.M. *et al.*, *Inorg. Chem.*, 1989, **28**, 1819, (*ir, Raman*)

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